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ADDITIONS TO THE MUSEUM, 1913.

ALEXANDER CALDER. A statuette of Alexander Wilson.

MAMMALS.

DR. W. L. ABBOTT (through Miss Gertrude Abbott). Pair of Elephant tusks, East Africa.

CHARLES W. BECK. Whale vertebræ, Beach Haven, N. J.

DR. THOMAS BIDDLE. Mounted specimens of Siamang (*Symphalangus syndactylus*), two species of gibbons (*Hylobates agilis* and *leuciscus*), and Black Ape (*Cynopithecus niger*).

FAIRMOUNT PARK AQUARIUM. Harbor Seal (*Phoca vitulina*). Prepared as skin and skull.

MISS LAURIE V. GROVES. Skin and skull of Cow Moose (*Alces americanus*). Tree trunk cut by Beavers.

DR. MORRIS LEWIS. Mounted head of Moose (*Alces americanus*), Alaska.

GEORGE W. MACWILLIAMS. Persian Cat (Pure chinchilla "Normandy") Mounted.

RICHARD MOESSNER and D. P. CURREY. Ziphoid Whale (*Mesoplodon* sp.), Corson's Inlet, N. J.

EDGAR A. SMITH. Phyllostomine bat (*Artibeus* sp.), Rio Madeira, Brazil.

JAMES STANTON. Skull of Bottle-nosed Dolphin (*Tursiops truncatus*), Two Mile Beach, N. J.

ZOOLOGICAL SOCIETY OF PHILADELPHIA. Mounted: Jaguar (*Felis onca*); European Wild Cat (*Felis catus*). Prepared as skin and skeleton: Mountain Zebra (*Equus zebra*); Cheetah (*Cynailurus jubatus*); Red River Hog (*Potamochoerus porcus*). Prepared as skin and skull: Vervet Monkey (*Lasiopyga pygerythra*); Silky Marmoset (*Leontocebus rosalia*); Golden Cat (*Felis temminckii*); Water Mongoose (*Herpestes brachyurus*); Japanese Bear (*Ursus japonicus*); California Sea Lion (*Zalophus californianus*). Prepared as skin: Dasyure (*Dasyurus* sp.). Prepared as skeleton: Puma (*Felis concolor*); Clouded Leopard (*Felis nebulosa*); Persian Wild Ass (*Equus onager*). Prepared as skull: Fishing Cat (*Felis viverrina*); Indian Antelope (*Antelope cervicapra*); Azara's Aguti (*Dasyprocta azarae*).

PURCHASED. Female Orang-utan (*Pongo pygmaeus*).

BIRDS.

DR. W. L. ABBOTT (through Miss Gertrude Abbott). Collection of nests of Edible-nest Swiftlet.

F. H. KENNARD. Nine skins of the Heath Hen (*Tympanuchus cupido*), Martha's Vineyard, Mass.

DELAWARE VALLEY ORNITHOLOGICAL CLUB. Several nests and sets of eggs of Pennsylvania and New Jersey birds.

- ABBOTT H. THAYER. Skin of *Perisoreus infaustus*.
 NELSON E. VARNUM. Albino Kingbird (*Tyrannus tyrannus*), Atco, N. J.
 MRS. PENDLETON G. WATMOUGH. Two Rhea eggs.
 ZOOLOGICAL SOCIETY OF PHILADELPHIA. Mounted: South African Ostrich (*Struthio camelus*); Helmeted Cassowary (*Casuarus uniappendiculatus occipitalis*). Prepared as skin and skeleton: Penguin (*Spheniscus magellanicus*). Prepared as skin: Meyer's Parrot (*Psephenus meyeri*); Mississippi Kite (*Ictinia mississippiensis*). Egg of *Agapornis nigrigenis*.
 PURCHASED. Four Kirtland's Warblers (*Dendroica kirtlandi*), Michigan; 237 birds from Cameroons, West Africa; 470 birds from Santa Marta, Colombia.

REPTILES AND AMPHIBIANS.

- RICHARD M. ABBOTT. Four specimens of Spadefoot Toad (*Scaphiopus holbrookii*), Trenton, N. J.
 AUGUST and KARL BEHR. Jar of salamanders, Jennings, Md.
 DR. WARD BRINTON. Small collection of reptiles, Chitzen Itza, Yucatan.
 H. H. BURTON. Collection of reptiles, Mattawa, Canada.
 ELWOOD R. CASEY. Lizard (*Liocephalus* sp.), Cuba.
 CALIFORNIA ACADEMY OF SCIENCES. Several frogs and salamanders. Loo Choos, Japan and California.
 DELOS E. CULVER. Three lots of reptiles and amphibians, Pennsylvania.
 D. E. CULVER and A. LAHEY. *Coluber constrictor* and *Thamnophis sirtalis*, Delaware County, Pa.
 A. and O. DORR. Water Snake (*Natrix sipedon*), Connelton, W. Va.
 FAIRMOUNT PARK AQUARIUM. Loggerhead Turtle (*Caretta caretta*), New Jersey coast.
 J. H. FERRIS. Snake. Lizard (*Phrynosoma solare*), Arizona.
 DR. J. W. RENNEY. Two snakes, Iquitos, Peru.
 DR. HENRY TUCKER. *Diadophis punctatus*, Clearwater, Fla.
 R. W. WEHRLE. Collection of amphibians, Indiana, Pa.
 DR. H. B. WOOD. *Ambystoma punctatum*, Rhode Island.
 ZOOLOGICAL SOCIETY OF PHILADELPHIA. Galapagos tortoise (*Testudo* sp.) and young Mud Turtle (*Kinosternon flavescens*).

FISHES.

- RALPH ADAMS. Seahorse (*Hippocampus*).
 AMERICAN MUSEUM OF NATURAL HISTORY (in exchange). Small collection of fishes.
 A. R. BURTON and H. W. FOWLER. Four jars of fishes, Ocean City, Md.
 H. H. BURTON. Four jars of fishes, Mattawa, Canada.
 H. H. BURTON and H. W. FOWLER. Two lots of fishes, Pennsylvania.
 DELOS E. CULVER. Three lots of fishes, Pennsylvania.
 L. M. DORSEY, JR. *Pantodon bucholtzi*.
 MISS MARY C. DU BOISE. Dry Burr-fish (*Diodon* sp.).
 H. W. FOWLER. Several jars of fishes, Delaware.
 EDWARD NOLAN FOX. Two small collections of fishes, Sea Isle City, N. J.
 WILLIAM J. FOX. Trumpet fish (*Fistularia*) from Anglesea, N. J.
 W. T. INNES. Small bottle of fishes, Cuba.

LELAND STANFORD JUNIOR UNIVERSITY. Collection of cotypes of fishes, Western North America.

DAVID MCCADDEN. Two file fishes (*Stephanolepis hispidus*), Ocean City, N. J. Hake (*Phycis regius*), Ocean City, N. J.

H. L. MATHER, JR., and H. W. FOWLER. Four jars of fresh-water fishes, York County, Pa.

W. E. MEEHAN. Gar (*Lepisosteus osseus*), Maryland. Calico bass (*Pomoxis*), Philadelphia Aquarium.

F. J. MYERS. Spawning sculpins (*Cottus gracilis*), Bethlehem, Pa.

F. J. MYERS and H. W. FOWLER. Five jars of fresh-water fishes, mountains of Pennsylvania, in Monroe County.

R. F. MILLER. Small fish, Philadelphia.

HENRY A. PILSBRY. Four fishes, Hawaiian Islands.

EDGAR A. SMITH. Two jars of fishes, Rio Madeira, Brazil.

F. L. TAPPAN. Small collection of fishes, Minnesota.

MRS. PENDLETON G. WATMOUGH. Lamprey.

R. W. WEHRLE. Three lots of fishes, including two larval lampreys, Indiana, Pa.

H. T. WOLF. Seahorse (*Hippocampus*), Florida.

PURCHASED. Collection of West African fresh-water fishes.

RECENT MOLLUSCA.

JACOB AEBLY. *Limax flavus* from Philadelphia, Pa., and a pearl from an oyster.

JOHN A. ALLEN. Ten species of land and fresh-water shells from Oregon Connecticut, and Ohio.

C. A. BAKER. *Praticolella* from Zellwood, Fla.

DR. FRED BAKER. Eighty-three trays of shells from California and Brazil.

F. C. BAKER. *Pyramidula occidentalis* Marts. from Idaho.

F. H. BAKER. Two marine shells from Australia.

M. J. BECKER. *Cavolinia pacifica* Dall from Pacific Grove, California.

S. S. BERRY. Two species of *Succinea* from Winnecook, Montana.

DR. A. P. BROWN. Forty-four trays of land and fresh-water shells from Antigua.

H. H. BURTON. *Lymnæa palustris* from Ontario, Canada.

G. H. CLAPP. Cotypes of *Carychium nanum* Cl. from Alabama.

A. M. COLLINS and E. M. SCULL. Six trays of land and marine shells from East Africa.

RICHARD A. COOKE. Four trays of land shells from Oahu.

DAVID L. CRAWFORD. Thirty-three trays of land and fresh-water shells from Mexico.

DELOS E. CULVER. *Polygyra thyroides* Say and *Pyramidula alternata* Say from Whites Island, Bucks County, Pa.

L. E. DANIELS. One hundred and thirty-three trays of land shells from Montana.

MRS. E. D. DOUGLAS. Fifteen species of marine shells.

H. EDSON. Cotype of *Sonorella argus* Ed. from Inyo County, California.

J. S. EMERSON. *Clausilia emersoni* from Malta and *Philonesia* from Micronesia.

J. H. FERRISS. Sixty-eight trays of land and fresh-water shells from Arizona and Texas.

W. R. FORREST. Twenty trays of land shells from Barbuda and Antigua (presented through Dr. A. P. Brown).

H. W. FOWLER. *Nassa obsoleta* Say from Cape Henlopen, Delaware.

L. S. FRIERSON. *Quadrula apiculata* Say var. from San Jacinto River, Texas.

DR. J. W. HARSHBERGER. Five trays of land and marine shells from Florida.

M. HEBARD and J. REHN. Thirty-two trays of land shells from the Southern States.

J. B. HENDERSON. Twenty-three trays of *Urocoptis* from Cuba.

JUNIUS HENDERSON. Ten trays of land and fresh-water shells from Colorado.

A. L. HETRICH. *Dentalium vulgare* Da C.

A. A. HINKLEY. One hundred and fifty-three trays of shells from Mexico and Guatemala. (Purchased.)

F. J. KEELEY. *Polygyra tridentata* Say from Graters Ford, Pa.

MRS. A. F. KENYON. Thirty-one trays of marine shells from Victoria, Australia.

BAYARD LONG. Twenty-seven trays of shells from the eastern United States.

H. N. LOWE. Two species of *Micrarionta* from Lower California and Cerros Island.

J. G. MALONE. Seven trays of marine shells from Oregon.

T. H. MAY. *Cypræa xanthodon* from Bundaberg, Australia.

WILLIAM G. MAZYCK. Five trays of land and fresh-water shells from Charleston, S. C.

R. A. McCONNELL and D. L. CRAWFORD. Eighteen trays of land and fresh-water shells from Guadalajara, Mexico. (Purchased.)

DR. H. E. and G. W. H. MEYER. Four marine shells.

CLARENCE B. MOORE. Fourteen trays of shells from Arkansas, Louisiana, and Florida.

C. R. ORCUTT. *Modiolus* and *Pomatiopsis* from Manzanillo, Mexico.

W. H. OVER. Fifty-five trays of land and fresh-water shells from South Dakota.

H. A. PILSBRY. Five hundred and thirty-six trays of shells from the Hawaiian Islands; also seventeen trays of shells from California and Cuba.

C. T. RAMSDEN. Twenty-two trays of land shells from Cuba.

J. A. G. REHN. *Gastrodonta intertexta* Say.

S. N. RHOADS. Two hundred and ten trays of marine shells from Panama. (Purchased.)

S. RAYMOND ROBERTS. Thirty-four trays of marine shells from Australia and Japan.

F. A. SAMPSON. *Polygyra clausa* Say and one *Campeloma* from Dent County, Missouri.

PROF. B. SHIMEK. *Succinea witteri* Shimek from Coralville, Iowa.

E. R. SIMS. *Oliva scripta* Lam. from Santiago de Cuba.

IRWIN SPALDING. One hundred and one trays of Hawaiian land shells.

GEORGE C. SPENCE. Twelve species of land shells from England.

J. B. STEERE. *Nenia steeriana* Sykes from Plains of Cajamarca, Peru.

WITMER STONE. *Polygyra fraterna* Say and one *Sphærium* from Lopez, Pa.

D. THAANUM. Three hundred and forty-eight trays of Hawaiian shells.

HON. L. A. THURSTON. Cotypes of *Achatinella thurstoni* from Oahu, H. I.

MRS. T. V. E. TITUS. *Striatura ferrea* Mse. from nineteen miles south of St. Fabien, Canada.

- DR. HENRY TUCKER. *Limax maximus* L. from Morton, Pa.
 UNIVERSITY OF WISCONSIN. Three trays of Hawaiian land shells.
 E. G. VANATTA. *Polygyra appressa* Say from the banks of the Chester River, Queen Anne County, Maryland.
 T. VAN HYNING. Eleven trays of land and fresh-water shells from Georgia and Iowa.
 GILBERT VAN INGEN. *Helix hortensis* Müll. from Conception Bay, Newfoundland.
 BRYANT WALKER. Sixteen trays of land and fresh-water shells.
 W. F. WEBB. *Drymaeus inusitatus* Fult., Chiriqui Lagoon, Panama.
 W. D. WILDER. Six trays of Hawaiian land shells.
 HELEN WINCHESTER. *Polygyra albolabris* Say from Canadensis, Pa.
 UNKNOWN. Twelve trays of Scaphopoda from Australia.
 PURCHASED. Two hundred and thirty-six lots of land and marine shells.

INSECTS.

- J. AEBLY. Five insects, Philadelphia.
 B. ALBERTSON. Fly, Massachusetts.
 C. R. ALEXANDER. Forty-one Tipulidæ, United States.
 W. BEUTENMULLER. Seven insects, United States.
 ANNETTE F. BRAUN. Fourteen butterflies, United States.
 BROOKLYN INSTITUTE OF ARTS AND SCIENCES. Three Orthoptera.
 STEWARDSON BROWN. Two Coleoptera, Philadelphia; Orthopteron, Bermuda.
 P. P. CALVERT. Nine insects, Scotland and Pennsylvania.
 E. R. CASEY. Three insects, Philadelphia.
 T. D. A. COCKERELL. Twenty-two bees, two *Phenacolestes* (fossil).
 W. P. COMSTOCK. Two *Thecla immaculosis*. Utah (paratypes).
 C. W. COLE, JR. Five hundred and sixty-six insects, Alberta and British Columbia, Canada.
 E. T. CRESSON, JR. Thirty-six insects, Pennsylvania.
 DELOS E. CULVER. Odonate, Philadelphia.
 J. H. FERRIS. Beetle, Arizona.
 HENRY FOX. Three thousand five hundred Orthoptera, Pennsylvania, New Jersey, and Massachusetts.
 W. J. FOX. Beetle, Philadelphia.
 H. W. FOWLER. Six Coleoptera, Pennsylvania.
 C. W. FROST. Five insects, Pennsylvania.
 G. M. GREENE. Twenty-five insects, United States; four Coleoptera, exotic.
 J. P. C. GRIFFITH. *Phyllium*, *Pharnacia*, Ceylon.
 H. S. HARBECK. One Blattid.
 DR. J. W. HARSHBERGER. Moth, Florida.
 MORGAN HEBARD. Sixty-four *Insara*, United States, Mexico, Central America; one hundred and seven *Dichopetala*, Mexico and Texas; one hundred and forty-one Orthoptera, United States and Mexico; sixty-nine Orthoptera, Arizona; Texas, Florida; forty-seven insects, United States; one hundred and fourteen Coleoptera, Georgia; eighty-five Odonata, Michigan; two hundred and sixty-four Lepidoptera, Florida; one hundred and thirty-six insects, United States; one thousand six hundred and thirteen Lepidoptera, American and exotic.

HEBARD-ACADEMY EXPEDITIONS OF 1909, 1910, 1912 AND 1913. About 19,000 specimens of Orthoptera, southern and western United States.

A. D. HOPKINS. Five *Dendroctonus*, United States.

HERMAN HORNIG. Seventy-one insects, Philadelphia.

P. JORGENSEN. One hundred and fifty-four Orthoptera, Argentina.

BAYARD LONG. Three hundred Orthoptera, Canada; one hundred and forty-one insects, Prince Edwards Island; twenty-five butterflies, Pennsylvania; nine Orthoptera, New Jersey.

PHILIP LAURENT. Two moths and larvæ.

CARLOS LIZER. Twenty-three Orthoptera, Argentina.

CHARLES LIEBECK. Six earwigs, Canada.

W. M. MANN. Six Orthoptera, United States.

WILLIAM MOORE. Seventy-seven Orthoptera, Transvaal.

MUSEUM OF COMPARATIVE ZOOLOGY. Nine *Dichopetala*, Mexico.

ESBIA PITUSEN. Thirty-two Orthoptera, Argentina.

C. T. RAMSDEN. Six Butterflies and three Orthoptera, Cuba.

F. W. RAWLE, JR. Moth, England.

J. A. G. REHN and MORGAN HEBARD. Four *Plusiotis*, Texas.

C. SCHROTTKY. Twenty-five Orthoptera, Paraguay.

HENRY SKINNER. One hundred and thirty-seven insects, White Mountains, New Hampshire; two moths, Pennsylvania; thirteen butterflies, Alaska and California.

WITMER STONE. Two hundred and twenty-four Orthoptera, Maryland, Minnesota, Wisconsin.

UNITED STATES NATIONAL MUSEUM. Two *Dichopetala*, Texas.

E. G. VANATTA. Two hundred and sixty insects, New Jersey, Maryland, Pennsylvania.

H. W. WENZEL. Fourteen Coleoptera, Pennsylvania; Orthopteron, New Jersey.

L. H. WILD. Thirty-eight Hymenoptera, Washington.

R. C. WILLIAMS. Sixteen *Pamphila*, New Mexico.

E. B. WILLIAMSON. Three moths, Indiana; twelve Orthoptera, Ontario.

PURCHASED. Six hundred Coleoptera, British Guiana; six Ornithoptera, exotic; five hundred and ninety-eight Orthoptera, exotic; six hundred and seventy Orthoptera, Trinidad; eight hundred and thirty-seven Orthoptera, British Guiana; Collection of insects from Ecuador (S. N. Rhoads).

OTHER INVERTEBRATES.

AUGUST and KARL BEHR. Jar of crayfish, Jennings, Md.

DR. AMOS P. BROWN. Tray of Cypris, Antigua.

D. E. CULVER. Small collection of arachnida, Delaware County, Pa. Three starfish, Old Point Comfort, Va.

MRS. E. D. DOUGLASS. *Mellita testudinata*, Wildwood, N. J.

H. W. FOWLER. Several jars of crustaceans, Delaware; *Balanus* from Highland Beach, N. J.

W. J. FOX. Vial of copepods from shark, Sea Isle City, N. J. Holothurian (*Thyone*), Townsend's Inlet, N. J.

D. McCADDEN. Lernean parasite, Ocean City, N. J. Prawn (*Penæus*), Ocean City, N. J.

H. L. MATHER, JR. Crayfish (*Cambarus bartonii*), Cobb's Creek, N. J.

MRS. T. H. MONTGOMERY. The T. H. Montgomery Collection of North American Spiders.

HENRY A. PILSBRY. Twenty-three species of invertebrates, Hawaiian Islands.

PROVIDENT LIFE AND TRUST CO. Centipede (*Scolopendra subspinipes*), captured in basement.

E. G. VANATTA. Vial of *Scolopendra*, Philadelphia. Vial of *Porcellio*, Haddon Heights, N. J.

R. W. WEHRLE. Collection of crustaceans, Indiana, Pa.

FOSSIL INVERTEBRATES.

MORGAN HEBARD and J. A. G. REHN. *Gryphæa* from Weatherford, Texas.

DR. A. P. BROWN. One hundred and thirty-seven trays of Oligocene fossils from Antigua and Panama.

DR. W. H. DALL. Ten trays of Pliocene fossils from Panama and Costa Rica.

RECENT PLANTS.

CHARLES F. BATCHELDER. Three hundred New England plants.

BERMUDA EXPEDITION. Numerous cultivated species.

J. CHESTER BRADLEY. Four specimens, Billy's Island, Ga.

DR. C. D. FRETZ. Four thousand nine hundred and eighty-two plants, mainly from Pennsylvania, but also from California, Florida, and North Carolina.

MRS. JOSEPH M. FOX. Four specimens from South Carolina.

GRAY HERBARIUM. One hundred and twelve *Juncus*, eastern United States and Canada.

DR. J. W. HARSHBERGER. One hundred and seventy-five plants from Florida, etc.

BAYARD LONG. One hundred and ninety-five plants from Bailey's Island, Me., and Pocono Plateau, Pa.

HENRY A. LANG. Forty-seven plants from Jamaica and four from New Hampshire.

NEW YORK BOTANIC GARDEN. Ninety-one sheets from Cuba.

PHILADELPHIA BOTANICAL CLUB. Three thousand three hundred and forty-one sheets.

HAROLD W. PRETZ. Twenty-three Pennsylvania and New Jersey plants.

HAROLD ST. JOHN. Twenty-seven sheets of New England plants.

TRENTON MUSEUM (exchange). One thousand eight hundred plants from United States and Canada.

MISS WATSON. Collection of Darjiling Ferns.

CHARLES S. WILLIAMSON. Six hundred and seventy plants from Lake Superior, etc.

UNIVERSITY OF PENNSYLVANIA. Sixty-six sheets of *Gerardia*.

FOSSIL PLANTS.

EMPIRE COAL MINING CO. Slab of plant impressions in coal slate.

W. H. WEHRLE. R. W. Collection of fossil plant fragments.

ETHNOLOGY AND ARCHÆOLOGY.

EDW. K. BISPHAM. Gorget, Philadelphia.

MRS. E. D. DOUGLASS. String of shell beads, Pacific Islands.

WALLACE EARLY. Malay kris, probably from Philippine Islands.

CHARLES MORRIS. Stone pestle and two grooved axe-heads, Mantua Farm, collected in 1810.

CLARENCE B. MOORE. Specimens of pottery, etc., from Indian mounds of the Southern States, added to the Clarence B. Moore Collection.

DR. LUDWIG PFEIFFER. Six blocks of calcareous tufa, five worked flints, six specimens representing *Rhinoceros* and *Equus*. Palæolithic beds at Taubach Ehringsdorf, Weimar, Germany.

DR. N. W. THOMAS. Two whale harpoons.

MISS H. N. WARDLE. Lock of hair from a Tsantsa, Ecuador.

MINERALS.

Twenty-two specimens purchased for the William S. Vaux Collection.